



DECLARATION AND POWER OF ATTORNEY

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship  
are as stated below next to my name. I believe I am  
5 the original, first and sole inventor (if only one  
name is listed below) or an original, first and joint  
inventor (if plural names are listed below) of the  
subject matter which is claimed and for which a patent  
is sought on the invention entitled SPATIAL BANDGAP  
10 MODIFICATIONS AND ENERGY SHIFT OF SEMICONDUCTOR  
STRUCTURES, the specification of which was filed on  
April 15, 2004, assigned Serial No. 10/824,838 and  
identified by Attorney's Docket No. AHURA-10.

I hereby state that I have reviewed and  
15 understand the contents of the above-identified  
specification, including the claims.

I acknowledge the duty to disclose information  
which is material to the examination of this  
application in accordance with Title 37, Code of  
20 Federal Regulations, Section 1.56(a).

I hereby claim priority benefits under Title 35,  
United States Code, Section 119(e) of U.S. Provisional  
Patent Application Serial No. 60/462,888, filed  
04/15/03 by Peidong Wang et al. for SPATIAL BANDGAP  
5 MODIFICATIONS AND ENERGY SHIFT OF SEMICONDUCTOR  
STRUCTURES (Attorney's Docket No. AHURA-10 PROV).

I hereby appoint Pandiscio & Pandiscio, a firm  
composed of Nicholas A. Pandiscio, Registration No.  
17,293, Mark J. Pandiscio, Registration No. 30,883,  
10 Scott R. Foster, Registration No. 20,570, and James A.  
Sheridan, Registration No. 43,114, or any of them, of  
470 Totten Pond Road, Waltham, Massachusetts 02451,  
(Telephone No. 781-290-0060), my attorneys with full  
power of substitution and revocation, to prosecute  
15 this application and to transact all business in the  
Patent Office connected therewith.

Please direct all correspondence in this matter  
to:

Mark J. Pandiscio

Pandiscio & Pandiscio, P.C.

5 470 Totten Pond Road

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Please direct all telephone calls to:

10 Mark J. Pandiscio or

Nicholas A. Pandiscio

I hereby declare that all statements made herein  
of my own knowledge are true and that all statements  
made on information and belief are believed to be  
15 true; and further that these statements were made with  
the knowledge that willful false statements and the  
like so made are punishable by fine or imprisonment,  
or both, under Section 1001 of Title 18 of the United  
States Code and that such willful false statements may  
20 jeopardize the validity of the application or any  
patent issued thereon.